

# SHIBAURA

**FRONT MOWER**

**CM214**

**CM284**

**CM364**

## Utmost Dependability



**SHIBAURA**





Just try our value conscious  
Out Front Mowers so that  
the machines can fully me



**CM214**

16.0kW(21.5HP)

**CM2**

20.8kW(





## Operator Friendly

- ✓ Simple and easy-to-see instrument panel
- ✓ Cruise control device (for CM284 & CM364 only)
- ✓ Tilt & telescope wheel steering (CM284 & CM364 only)
- ✓ Deluxe seat with reclining feature (for CM284 & CM364 only)
- ✓ Flat floor & sufficient leg room (especially for CM284 & CM364)
- ✓ Low noise & low vibration

## Safety-Oriented

- ✓ Two-post ROPS (rigid type for CM214 & foldable type for CM284/364)
- ✓ Seatbelt (standard type for CM214 & retractable type for CM284/364)
- ✓ Parking brake
- ✓ Warning alarm device informing engine troubles (for CM284/364 only)
- ✓ Auto engine stop feature with which the engine automatically stops when you leave the driver's seat
- ✓ Excellent weight balance so as to achieve maximum stability



84  
(35.0HP)

**CM364**  
26.0kW (35.0HP)





Productivity-Conscious

- ✓Hydrostatic transmission (one range for CM214 and two range for CM284 and CM364) to give you precise control over speed and direction
- ✓Auto/Full Time 4WD so as to drive/operate smoothly under any ground condition
- ✓Large fuel tank (50.5 litters) so as to keep going without the need for refueling even for a full day operation (for CM284 and CM364 only)
- ✓Optional Remote Valve Kit for Grass Collector and other attachments (CM284/364 only)

Grass Collector		
MODEL	PM500	PM700
Container Capacity	500 Litre	700 Litre
Dumping Height	1,750mm	2,000mm



Speedy-Maintenance-Driven

- ✓Dual-element air filters
- ✓Flip-up mower deck with the drive shaft connected to the machine so as to quickly access deck and cutting blade
- ✓Gas damper with which you can easily pull the driver's seat so as to access to the space under the seat (CM284/364 only)
- ✓One-piece full open hood designed for simple access to the engine



Cabin



Mower Deck







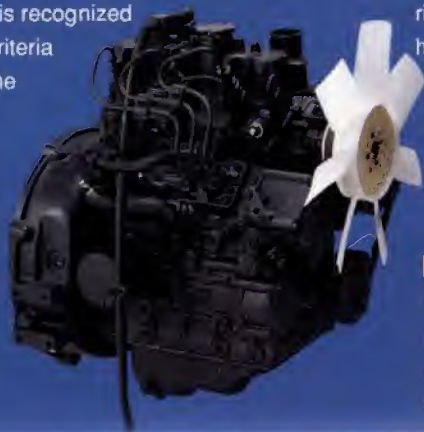
CM-Series  
You will easily realize  
your various expectations.

## SHIBAURA COMPACT DIESEL ENGINE-THE ONE YOU CAN TRUST

### Environment-Friendly

The Shibaura diesel engine mounted on the CM-series Out Front Mowers are surely environment-friendly. It meets the US EPA Tier-1 which is recognized as one of the toughest emission criteria in the world at present. Besides, the engine design takes the EU DGXI Stage 2 emission regulation into account.

In order to satisfy upcoming emission control regulations, Shibaura will design its diesel engine to achieve better combustion efficiency, emission and less fuel consumption.



### Low Noise and Low Vibration

The Shibaura diesel engine realizes low noise and low vibration in the whole engine revolution range. The engine has proper rigidity of the cylinder block and gear case cover, which helps reducing its mechanical and combustion noise.

### Compact and Light-Weight

Applying Finite Element Method (FEM) for structural analysis, Shibaura designs its diesel engine to be compact and light-weight on the basis of the appropriate balance of rigidity, strength, and weight.

### Easy Maintenance

The Shibaura diesel engine is ideal when it comes to easy maintenance. On one side of the engine, you can check the oil level, replace the oil filter and complete some other necessary maintenance.



**SPECIFICATIONS (※)**

MODEL		CM214	CM284	CM364
ENGINE				
Model		S773	J843	N843—L
Type		Water—Cooled Diesel Engine		
No. of Cylinder		3		
Gross Horsepower      kW(hp)/rpm		16.0(21.5)/2,700	20.8(28.0)/2,700	26.0(35.0)/2,700
Displacement      cc		1,005	1,330	1,662
Fuel Tank      ℓ		28.0	50.5	
Alternator      volt—amp		12—20	12—40	
DIMENSIONS				
Overall Length      mm		2,130	2,415	
Overall Width      mm		1,000	1,370	
Overall Height (W/ROPS)      mm		1,875	1,930	
Min. Ground Clearance      mm		125	140	
Wheelbase      mm		1,050	1,250	
Tread Width—Front      mm		800	940	
Tread Width—Rear      mm		830	995	
Weight with ROPS      kg		530	730	750
Tire Size—Front		20×10—4PR	23×10.5—12.4PR	
Tire Size—Rear		16×6.5—4PR	20×8.00—10.4PR	
FRONT PTO				
Type		Belt Drive	Wet Multi Plates	
Shaft		25.4 Dia. Spline		
Rated Speed (@ Engine Speed)      rpm		2,200 (@2,700 rpm)	2,209 (@2,700 rpm)	
SIDE PTO				
Type		(STD)	(OPTION)	
Type		Live	Live	
Shaft		22.0 Dia.6mm key way	20.0 Dia.6mm key way	
Rated Speed (@ Engine Speed)      rpm		2,200 (@2,700 rpm)	2,700 (@2,700 rpm)	
TRANSMISSION				
Type		HST		
Drive		Auto 4WD or Full Time 4WD		
Range		Single	2—Range	
Travelling Speed—Forward      km/h		0—14.0	Low:0—9.7	High:0—16.6
Travelling Speed—Reverse      km/h		0—8.0	Low:0—5.8~6.8	High:0—10.0~11.6
Speed Control		2 Pedals (Forward and Reverse)		
Brake		Wet Disc (Single Pedal Control)		
CONTROL/SAFETY SYSTEM				
Mower Lifting		Hydraulic		
Steering		Hydraulic		
ROPS		2—Post ROPS		
Parking Brake		with		
Seatbelt		with		
Auto. Engine Stop Feature		with		
Safety Starting Switch		with		
MOWER DECK (OPTION)				
Type		48 inch Side Discharge	60 inch Side Discharge	72 inch Side Discharge
Cutting Height      mm		25—115	38—115	38—115
Cutting Width      mm		1,220	1,520	1,830
Weight      kg		120	175	204

※ Subject to Change without Notice



# SHIBAURA

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